

PROJECT DESCRIPTION  
GENERAL

THIS PROJECT INVOLVES MODIFYING THE OPERATION OF AN EXISTING TRAFFIC CONTROL SIGNAL. THE MODIFICATION INCLUDES ADDING SIGNAL INDICATION AND TRAFFIC DETECTION FOR LORD BALTIMORE DRIVE NORTHBOUND MOVEMENT TO EASTBOUND MD 26. THE INTERSECTION IS LOCATED AT MD 26 (LIBERTY ROAD) & RAMP 8 FROM OUTER LOOP I-695/ LORD BALTIMORE DRIVE IN BALTIMORE COUNTY.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED SYSTEM MODE UTILIZING 4 NEMA PHASES..

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR DISTRICT #4 ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. RANDALL SCOTT, ASSISTANT DISTRICT ENGINEER- TRAFFIC  
PHONE: (301) 321-2781

MR. DAVE RAMSEY, ASSISTANT DISTRICT ENGINEER- MAINTANCE  
PHONE: (410) 321-2761

MR. JOSEPH D. McMAHON, ASSISTANT DISTRICT ENGINEER- UTILITY  
PHONE: (410) 321-2841

MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

1 MR. EDWARD RODENHIZER, CHIEF - OOTS SIGNAL OPERATIONS  
PHONE: (410) 787-7652

1 EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9570	FLAT SHEET ALUMINUM GROUND MOUNTED SIGN R-10-60 (24" X 30")	SF EA	5 1
(8/17/2005) <del>9571</del>	<del>FLAT SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN R-10-110 (30" X 30")</del>	<del>SF EA</del>	<del>6-25 *</del>

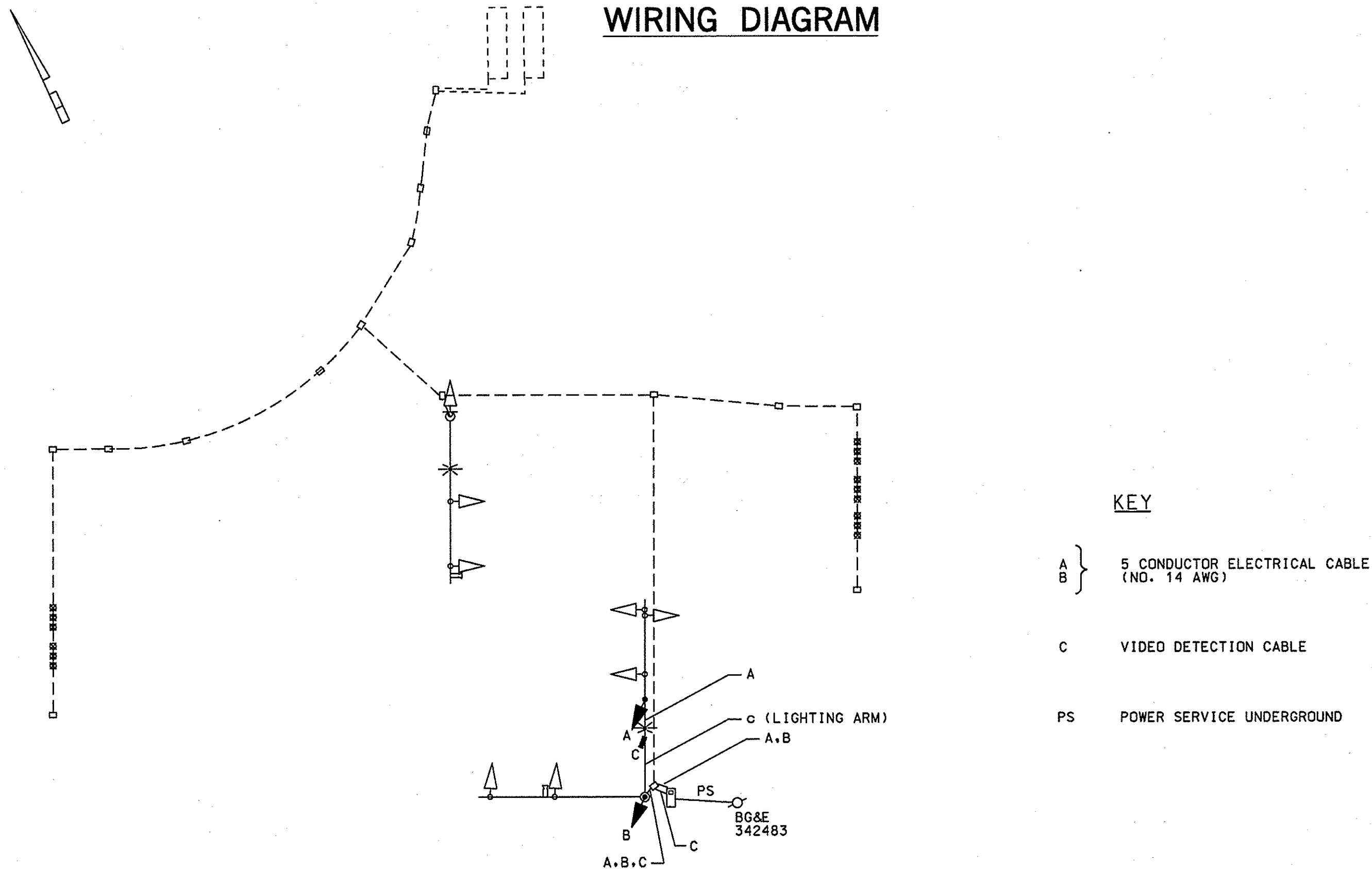
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTANCE OF TRAFFIC	EA	1
8013	REMOVE AND DISPOSE OF EQUIPMENT	EA	1
8048	FURNISH AND INSTALL VIDEO DETECTION CAMERA	EA	1
8049	FURNISH AND INSTALL CONTROL CABLE 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	1
8056	FURNISH AND INSTALL 12 IN. VEHICULAR SIGNAL HEAD SECTION POLYCARBONATE, BLACKED FACE	EA	6
8061	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR NO. 14 AWG	LF	184
8022	RELOCATE EXISTING SIGN	SF	13.75
8005	REMOVE GROUND MOUNTED SIGN	SF	6.25
8046	INSTALL GROUND MOUNTED SIGN	SF	5
(8/17/2005) <del>8047</del>	<del>INSTALL OVERHEAD (MAST ARM) MOUNTED SIGN</del>	<del>SF</del>	<del>6-25</del>

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.

ALL MATERIALS REMOVED BY THE CONTRACTOR  
SHALL BECOME PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM



1 PHASE CHART

	1	2	3	4	5	6	7	8	9	10
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
1 PHASE 2 AND 5	R	R	←G/G	←G/G	G	R	R	R	←G/G	←G/G
2 AND 5 CHANGE	R	R	←Y/G	←Y/G	G	R	R	R	←Y/G	←Y/G
PHASE 2 AND 6	G	G	G	G	G	R	R	R	←R	←R
2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	←R	←R
1 PHASE X 3	R	R	R	R	R	G	←G/G	G	←R	←R
3X CHANGE	R	R	R	R	R	Y	Y	Y	←R	←R
1 PHASE X 4	R	←R	←R	←R	←R	R	R	R	←G	←G
4X CHANGE	R	←R	←R	←R	←R	R	R	R	←Y	←Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R

1 GREENLINE REVISION NO.1  
(8/17/2005)

MODIFY SIGNAL PHASING TO MAKE NORTHBOUND LORD BALTIMORE DRIVE AND PHASE 5 OF WESTBOUND MD 26 RUN CONCURRENTLY.  
REMOVE THE "NO TURN ON RED" SIGN FOR THE NEW MOVEMENT.

2 GREENLINE REVISION NO.2  
(8/29/2005)

MODIFY SIGNAL PHASING TO ELIMINATE PHASE NO. 4.

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION PLAN  
**MD 26 (LIBERTY ROAD) AT I-695 RAMP 8  
& LORD BALTIMORE DRIVE**

DRAWN BY: S. SMITH	F.A.P. NO. AC-IM-G-STP-G-695-6(3)8W	TS NO. 4379	SHEET NO. 2 OF 2
CHECKED BY: S. RENZI	S.H.A. NO. BA3795172		
SCALE: 1" = 20'	COUNTY: BALTIMORE	T.I.M.S. NO. G-783	
DATE: MAY, 2002	LOG MILE: 03002608.12		